



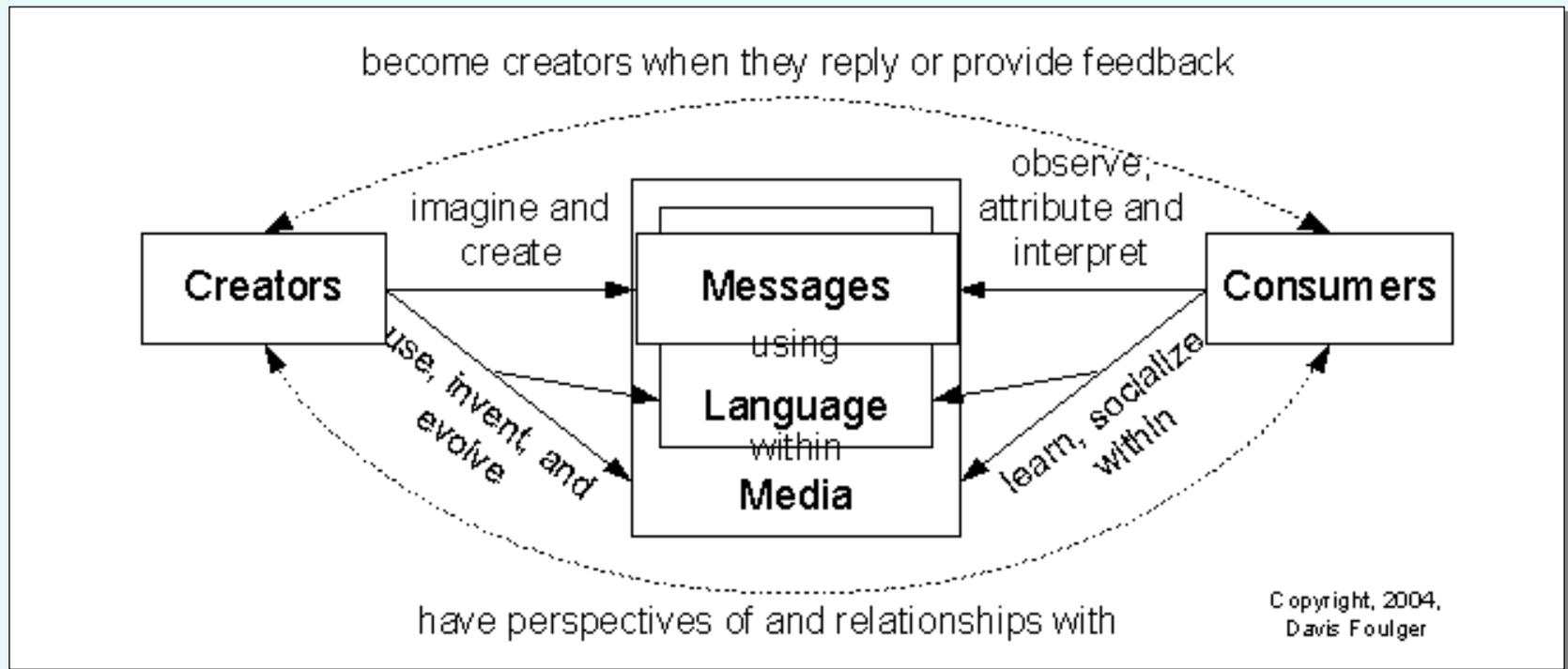
Dartmouth Toxic Metals Program Research Translation Core

Research: molecular mechanisms and epidemiology of arsenic; biomagnification of mercury in aquatic food chain

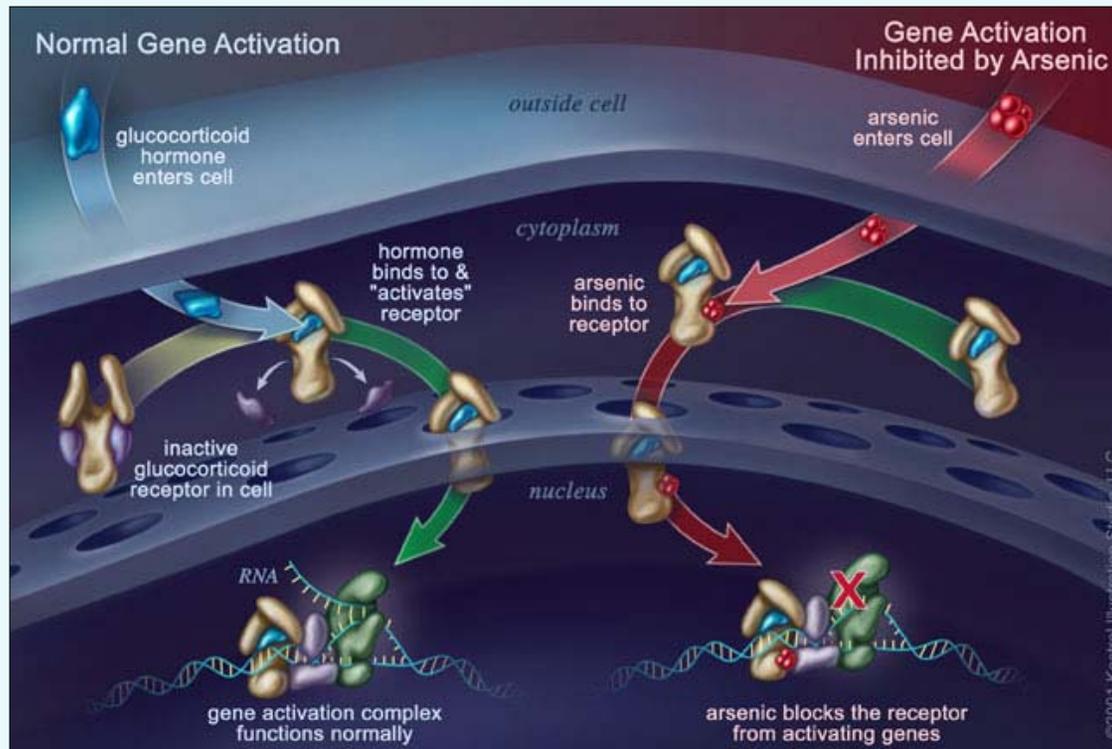
Translation defined: science communication with the goal of facilitating uptake of science, "...transfer of knowledge into use"

Our approach: promoting a two-way exchange informed by understanding of the social, political and economic contexts that affect the relevance of our science

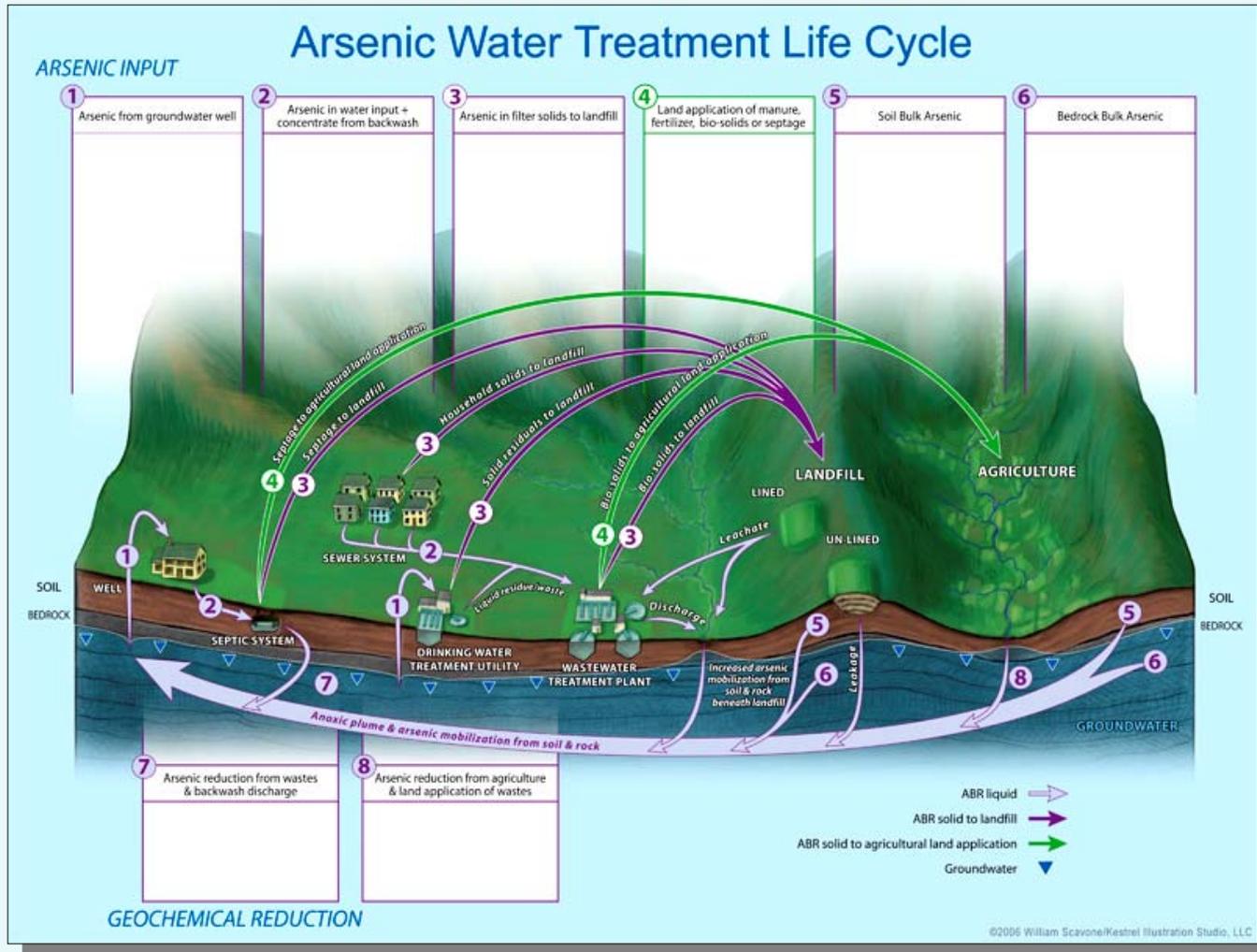
Potential users as co-creators of knowledge



Using images and “plain language” to facilitate communication



Using images and “plain language” to facilitate communication



Developing interactive communication tools

Dartmouth
TOXIC METALS
Research Program

A program of the
Center for Environmental Health Sciences
at Dartmouth

GO TO SITE MAP ▲
SEARCH ▼

Hm¹ Tx² Rs³ Nw⁴ Di⁵ Rc⁶ Ou⁷ Ab⁸ Ct⁹
HOME TOXIC METALS RESEARCH NEWS DIALOG RESOURCES OUTREACH ABOUT US CONTACT US

"An interdisciplinary research program
studying the way arsenic and other toxic
metals affect ecosystems and human health"

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Dartmouth Home Page
Center for Environmental Health Sciences at Dartmouth

Google Dartmouth Toxic Metal Research - Toxic Metals Center for Environmental Health Sciences at D...

What are the characteristics of the water in the vicinity of the Elizabeth Mine?

See for yourself!

Test	Result
Copper	5ppm
Iron	2ppm
dissolved O2	12ppm
alkalinity	10ppm
pH	6
coliforms	-

To test the water quality
move your mouse over
the section of the river you
want to test.

Link: http://www.dartmouth.edu/~cehs/Elizabeth/ElizabethWater_test.html

New Hampshire Health Study Research Update

Dr. Margaret Karagas
Dartmouth Medical School

April 2006

Greetings!

Some time ago you agreed to take part in a research project studying links between the environment and health in New Hampshire. The research being done in the New Hampshire Health Study takes many years to complete, but we are beginning to analyze the data and would like to take this opportunity to share with you some things we are learning.

The purpose of the study was to identify factors that may affect a person's chance of getting cancer. We had several questions. Can exposure to certain substances in the environment raise the risk? Are some people more vulnerable because they inherit specific genes? Can a person's behavior increase the risk? We are beginning to get some answers to these questions, though there is much more research to be done.

This study involves collaborations between many types of scientists, including epidemiologists, physicians, chemists, statisticians, geologists and others. Funding is provided by the National Institute of Environmental Health Sciences and the National Cancer Institute of the National Institutes of Health.

Finally, we would like to thank you for taking part in our study. It is only through the involvement of people like you that this important research can take place. The health of future generations in New Hampshire and in other regions will benefit from the knowledge gained through this study.

Sincerely,

Margaret Karagas PhD,
Principal Investigator of the New Hampshire Health Study

Characterizing potential users

- supermarket survey on mercury education materials
- focus groups on grocery store fish advisory posters
- survey of 45 arsenic water treatment contractors

